

# PATENT COOPERATION TREATY

From the INTERNATIONAL SEARCHING AUTHORITY

# PCT

NOTIFICATION OF TRANSMITTAL OF  
THE INTERNATIONAL SEARCH REPORT AND  
THE WRITTEN OPINION OF THE INTERNATIONAL  
SEARCHING AUTHORITY, OR THE DECLARATION

To:  
BOULT WADE TERNANT  
Attn. White, Nina Louise  
Verulam Gardens  
70 Gray's Inn Road  
London  
WC1X 8ET  
GRANDE BRÉTAGNE

(PCT Rule 44.1)

Applicant's or agent's file reference P86207WO00	Date of mailing (day/month/year) 19/12/2007
International application No. PCT/GB2007/003486	FOR FURTHER ACTION See paragraphs 1 and 4 below
Applicant ONCIMMUNE LTD	International filing date (day/month/year) 12/09/2007

1. ☒ The applicant is hereby notified that the international search report and the written opinion of the International Searching Authority have been established and are transmitted herewith.

## Filing of amendments and statement under Article 19:

The applicant is entitled, if he so wishes, to amend the claims of the international Application (see Rule 46):

When? The time limit for filing such amendments is normally two months from the date of transmittal of the International Search Report.

Where? Directly to the International Bureau of WIPO, 34 chemin des Colombettes  
1211 Geneva 20, Switzerland, Facsimile No.: (41-22) 338.82.70

For more detailed instructions, see the notes on the accompanying sheet.

2. ☐ The applicant is hereby notified that no international search report will be established and that the declaration under Article 17(2)(a) to that effect and the written opinion of the International Searching Authority are transmitted herewith.

3. ☐ With regard to the protest against payment of (an) additional fee(s) under Rule 40.2, the applicant is notified that:

- ☐ the protest together with the decision thereon has been transmitted to the International Bureau together with the applicant's request to forward the texts of both the protest and the decision thereon to the designated Offices.  
☐ no decision has been made yet on the protest; the applicant will be notified as soon as a decision is made.

## 4. Reminders

Shortly after the expiration of 18 months from the priority date, the international application will be published by the International Bureau. If the applicant wishes to avoid or postpone publication, a notice of withdrawal of the international application, or of the priority claim, must reach the International Bureau as provided in Rules 90bis.1 and 90bis.3, respectively, before the completion of the technical preparations for international publication.

The applicant may submit comments on an informal basis on the written opinion of the International Searching Authority to the International Bureau. The International Bureau will send a copy of such comments to all designated Offices unless an international preliminary examination report has been or is to be established. These comments would also be made available to the public but not before the expiration of 30 months from the priority date.

Within 18 months from the priority date, but only in respect of some designated Offices, a demand for international preliminary examination must be filed if the applicant wishes to postpone the entry into the national phase until 30 months from the priority date (in some Offices even later); otherwise, the applicant must, within 20 months from the priority date, perform the prescribed acts for entry into the national phase before those designated Offices.

In respect of other designated Offices, the time limit of 30 months (or later) will apply even if no demand is filed within 19 months.

See the Annex to Form PCT/IB/301 and, for details about the applicable time limits, Office by Office, see the PCT Applicant's Guide, Volume II, National Chapters and the WIPO Internet site.

Name and mailing address of the International Searching Authority  
European Patent Office, P.B. 5818 Patentlaan 2  
NL-2280 HV Rijswijk  
Tél. (+31-70) 340-2040, Tx. 31 651 epo nl,  
Fax: (+31-70) 340-3016

Authorized officer

Wolfgang-Peter Schiessl  
BOULT WADE  
TENNANT

RECEIVED

19 DEC 2007

## NOTES TO FORM PCT/ISA/220

These Notes are intended to give the basic instructions concerning the filing of amendments under article 19. The Notes are based on the requirements of the Patent Cooperation Treaty, the Regulations and the Administrative Instructions under that Treaty. In case of discrepancy between these Notes and those requirements, the latter are applicable. For more detailed information, see also the *PCT Applicant's Guide*, a publication of WIPO.

In these Notes, "Article", "Rule", and "Section" refer to the provisions of the PCT, the PCT Regulations and the PCT Administrative Instructions, respectively.

### INSTRUCTIONS CONCERNING AMENDMENTS UNDER ARTICLE 19

The applicant has, after having received the international search report and the written opinion of the international Searching Authority, one opportunity to amend the claims of the international application. It should however be emphasized that, since all parts of the international application (claims, description and drawings) may be amended during the international preliminary examination procedure, there is usually no need to file amendments of the claims under Article 19 except where, e.g. the applicant wants the latter to be published for the purposes of provisional protection or has another reason for amending the claims before international publication. Furthermore, it should be emphasized that provisional protection is available in some States only (see *PCT Applicant's Guide*, Volume I/A, Annexes B1 and B2).

The attention of the applicant is drawn to the fact that amendments to the claims under Article 19 are not allowed where the international Searching Authority has declared, under Article 17(2), that no international search report would be established (see *PCT Applicant's Guide*, Volume I/A, paragraph 296).

#### What parts of the international application may be amended?

Under Article 19, only the claims may be amended.

During the international phase, the claims may also be amended (or further amended) under Article 34 before the international Preliminary Examining Authority. The description and drawings may only be amended under Article 34 before the international Examining Authority.

Upon entry into the national phase, all parts of the international application may be amended under Article 28 or, where applicable, Article 41.

#### When?

Within 2 months from the date of transmittal of the international search report or 16 months from the priority date, whichever time limit expires later. It should be noted, however, that the amendments will be considered as having been received on time if they are received by the international Bureau after the expiration of the applicable time limit but before the completion of the technical preparations for international publication (Rule 46.1).

#### Where not to file the amendments?

The amendments may only be filed with the international Bureau and not with the receiving Office or the international Searching Authority (Rule 46.2).

Where a demand for international preliminary examination has been filed, see below.

#### How?

Either by cancelling one or more entire claims, by adding one or more new claims or by amending the text of one or more of the claims as filed.

A replacement sheet must be submitted for each sheet of the claims which, on account of an amendment or amendments, differs from the sheet originally filed.

All the claims appearing on a replacement sheet must be numbered in Arabic numerals. Where a claim is cancelled, no renumbering of the other claims is required. In all cases where claims are renumbered, they must be renumbered consecutively (Section 205(b)).

The amendments must be made in the language in which the international application is to be published.

#### What documents must/may accompany the amendments?

Letter (Section 205(b)):

The amendments must be submitted with a letter.

The letter will not be published with the international application and the amended claims. It should not be confused with the "Statement under Article 19(1)" (see below, under "Statement under Article 19(1)").

The letter must be in English or French, at the choice of the applicant. However, if the language of the international application is English, the letter must be in English; if the language of the international application is French, the letter must be in French.

## PATENT COOPERATION TREATY

## PCT

## INTERNATIONAL SEARCH REPORT

(PCT Article 18 and Rules 43 and 44)

Applicant's or agent's file reference <b>P86207W000</b>	<b>FOR FURTHER ACTION</b>		see Form PCT/ISA/220 as well as, where applicable, item 5 below.
International application No. <b>PCT/GB2007/003486</b>	International filing date (day/month/year) <b>12/09/2007</b>	(Earliest) Priority Date (day/month/year) <b>13/09/2006</b>	
Applicant <b>ONCIMMUNE LTD</b>			

This International search report has been prepared by this International Searching Authority and is transmitted to the applicant according to Article 18. A copy is being transmitted to the International Bureau.

This International search report consists of a total of 05 sheets.

☒ It is also accompanied by a copy of each prior art document cited in this report.

## 1. Basis of the report

a. With regard to the language, the international search was carried out on the basis of:

- ☒ the international application in the language in which it was filed  
☐ a translation of the international application into \_\_\_\_\_, which is the language of a translation furnished for the purposes of international search (Rules 12.3(a) and 23.1(b))

b. ☐ This international search report has been established taking into account the rectification of an obvious mistake authorized by or notified to this Authority under Rule 91 (Rule 43.6bis(a)).

c. ☐ With regard to any nucleotide and/or amino acid sequence disclosed in the international application, see Box No. I.

2. ☐ Certain claims were found unsearchable (See Box No. II)

3. ☐ Unity of invention is lacking (see Box No. III)

4. With regard to the title,

- ☒ the text is approved as submitted by the applicant  
☐ the text has been established by this Authority to read as follows:

5. With regard to the abstract,

- ☒ the text is approved as submitted by the applicant  
☐ the text has been established, according to Rule 38.2(b), by this Authority as it appears in Box No. IV. The applicant may, within one month from the date of mailing of this international search report, submit comments to this Authority

6. With regard to the drawings,

- a. the figure of the drawings to be published with the abstract is Figure No. \_\_\_\_\_  
☐ as suggested by the applicant  
☐ as selected by this Authority, because the applicant failed to suggest a figure  
☐ as selected by this Authority, because this figure better characterizes the invention  
b. ☒ none of the figures is to be published with the abstract

## INTERNATIONAL SEARCH REPORT

International application No

PCT/GB2007/003486

A. CLASSIFICATION OF SUBJECT MATTER  
 INV. G01N33/557 G01N33/574

According to International Patent Classification (IPC) or to both national classification and IPC

## B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)  
 G01N

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the International search (name of data base and, where practical, search terms used)

EPO-Internal, WPI Data

## C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Y	WO 99/58978 A (UNIV NOTTINGHAM [GB]; ROBERTSON JOHN FORSYTH RUSSELL [GB]; GRAVES CATH) 18 November 1999 (1999-11-18) *abstract, claims 1-72*	1-36
Y	GB 2 395 270 A (UNIV NOTTINGHAM [GB]) 19 May 2004 (2004-05-19) *abstract, claims 1-38*	1-36
Y	GREEN, J.A., ET AL: "Serum p53 Auto-antibodies: Incidence in Familial Breast Cancer" EUROPEAN JOURNAL OF CANCER, vol. 30A, no. 5, 1994, pages 580-584, XP002458469 page 581	1-36

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☒ Further documents are listed in the continuation of Box C.

☒ See patent family annex.

## \* Special categories of cited documents:

- \*A\* document defining the general state of the art which is not considered to be of particular relevance
- \*E\* earlier document but published on or after the international filing date
- \*L\* document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)
- \*O\* document referring to an oral disclosure, use, exhibition or other means
- \*P\* document published prior to the international filing date but later than the priority date claimed

\*T\* later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention

\*X\* document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone

\*Y\* document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.

\*Z\* document member of the same patent family

Date of the actual completion of the international search

21 November 2007

Date of mailing of the international search report

19/12/2007

Name and mailing address of the ISA/

European Patent Office, P.B. 5818 Patentlaan 2  
 NL - 2280 HV Rijswijk  
 Tel. (+31-70) 540-2040, Tx. 31 651 epo nl,  
 Fax: (+31-70) 540-3016

Authorized officer

Lindberg, Pia

## INTERNATIONAL SEARCH REPORT

International application No

PCT/GB2007/003486

C(Continuation). DOCUMENTS CONSIDERED TO BE RELEVANT		
Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Y	MICROBIX BIOSYSTEMS INC: "Antigen titration using the Microbix IgG ELISA"[Online] 2005, XP002458470 Retrieved from the Internet: URL:http://web.archive.org/web/20050526231623/http://www.microbix.com/products/PDFs/TB93-1AntigenTitrationusingtheMicrobixIgG+ELISA.pdf> the whole document	1-36
Y	KUMAR, S., ET AL: "Standardisation and comparison of serial dilutions and single dilution enzyme linked immunosorbent assay (ELISA) using different antigenic preparations of the Babesia (Theileria) equi parasite" VETERINARY RESEARCH, vol. 34, no. 1, 2003, pages 71-83, XP002458471 abstract, page 73, right-hand column, line 44- page 74, left-hand column, line 4, page 76, right-hand column, second paragraph*	1-36
Y	PARÉ J ET AL: "AN ENZYME-LINKED IMMUNOSORBENT ASSAY (ELISA) FOR SEROLOGICAL DIAGNOSIS OF NEOSPOA SP. INFECTION IN CATTLE" JOURNAL OF VETERINARY DIAGNOSTIC INVESTIGATION, AAVLD, COLUMBIA, MO, US, vol. 7, 1995, pages 352-359, XP000944472 ISSN: 1040-6387 *page 353, right-hand column, line 1 - page 354, left-hand column, line 12*	1-36
P, Y	GB 2 426 581 A (UNIV NOTTINGHAM [GB]; ONC IMMUNE LTD [GB]) 29 November 2006 (2006-11-29) the whole document	1-36
P, Y	WO 2006/126008 A (ONC IMMUNE LTD [GB]; ROBERTSON JOHN FORSYTH RUSSELL [GB]; BARNES TONY) 30 November 2006 (2006-11-30) the whole document	1-36
P, Y	CHAPMAN, C., ET AL: "Autoantibodies in breast cancer: their use as an aid to early diagnosis" ANNALS OF ONCOLOGY, vol. 18, 7 March 2007 (2007-03-07), pages 868-873, XP002458472 the whole document	1-36

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## INTERNATIONAL SEARCH REPORT

International application No

PCT/GB2007/003486

## C(Continuation). DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
P,Y	<p>YANG, D-K., ET AL: "Development and evaluation of indirect ELISA for the detection of antibodies against Japanese encephalitis virus in swine" JOURNAL OF VETERINARY SCIENCE, vol. 7, no. 3, 30 September 2006 (2006-09-30), pages 271-275, XP002458473 the whole document -----</p>	1-36

# INTERNATIONAL SEARCH REPORT

Information on patent family members

International application No

PCT/GB2007/003486

Patent document cited in search report		Publication date	Patent family member(s)	Publication date
WO 9958978	A	18-11-1999	AT 314651 T	15-01-2006
			AU 3838899 A	29-11-1999
			DE 69929185 T2	31-08-2006
			DK 1078264 T3	15-05-2006
			EP 1078264 A2	28-02-2001
			ES 2257048 T3	16-07-2006
			PT 1078264 T	31-05-2006
GB 2395270	A	19-05-2004	AU 2003282245 A1	03-06-2004
			CA 2545930 A1	27-05-2004
			EP 1563307 A1	17-08-2005
			WO 2004044590 A1	27-05-2004
			GB 2424273 A	20-09-2006
			GB 2424070 A	13-09-2006
			JP 2006506612 T	23-02-2006
			US 2006094069 A1	04-05-2006
GB 2426581	A	29-11-2006	NONE	
WO 2006126008	A	30-11-2006	NONE	